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(54) False twist crimping machine

(57)1. False twist crimping machine for false twist crimping a plurality of thermoplastic yarns, each in one processing station, which comprises a feed yarn package, a first feed system, an elongate first heater, an elongate cooling plate, a false twist unit, a second feed system, as well as a takeup device, the false twist machine being composed of several frame parts, and a creel frame being associated with the false twist machine, characterized in that the frame parts comprise a processing frame provided in the direct vicinity of creel and a takeup frame facing away from the creel, that between the processing frame and the takeup frame, an operator aisle is formed, that the first feed system and the first heater are supported on the takeup frame, that the cooling plate, the false twist unit, and the second feed system are supported on the processing frame, and that the takeup devices for a plurality of processing stations are arranged in columns on top of one another and can be serviced both from operator aisle and from the side facing away therefrom (service aisle).



EUROPEAN SEARCH REPORT

Application Number

EP 94 11 2834

	DOCUMENTS CONSIDER	FD TO BE RELEVANT			
Category	Citation of document with indica of relevant passage		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.6)	
A	FR 2 332 353 A (ROANNA ATEL) 17 June 1977 * page 5, line 1 - page		1,4,6,8	D02G1/02	
A	US 4 395 872 A (RIEDL 1983 * column 2, line 64 -	_	1,4,6,18		
A	EP 0 330 368 A (TEIJIN August 1989 * column 4, line 5 - c	•	1,2,18		
				TECHNICAL FIELDS SEARCHED (Int.CI.6) D02G	
	The present search report has been	drawn up for all claims			
	Place of search THE HAGUE	Date of completion of the search 31 March 1998	V Po	Examiner	
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle E : earlier patent docu after the filing date D : document cited in L : document cited fo	31 March 1998 V Beurden-Hopkins, S T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filling date D: document cited in the application L: document cited for other reasons 8: member of the same patent family, corresponding		